Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/09/2019 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124006	-1	1.28	124072	1.25
Blue	F	SSC	125000	124844	-1	1.51	125683	1.52
Blue	E	FITC	16122	15752	-3	2.62	341	20.34
Blue	D	PE	29316	28596	-3	1.76	624	14.72
Blue	B	PerCP-Cy5-5	42590	41837	-2	3.48	1132	19.79
Blue	A	PE-Cy7	33146	32988	-1	5.84	636	39.44
Red	C	APC	45473	44719	-2	2.34	1581	11.77
Red	A	APC-Cy7	31961	30762	-4	2.32	816	11.89
Violet	B	V450	7914	7421	-7	4.52	420	13.26
Violet	A	V500	29769	28493	-5	4.36	663	10.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21134	3.41	604	4	N/A	N/A	Pass
Blue	F	SSC	56885	1.03	550	12	N/A	N/A	Pass
Blue	E	FITC	62	65.09	538	1	0.0194	140	Pass
Blue	D	PE	130	49.99	539	2	0.1626	273	Pass
Blue	B	PerCP-Cy5-5	208	48.35	640	2	0.0095	52	Pass
Blue	A	PE-Cy7	117	96.94	694	3	0.0115	12	Pass
Red	C	APC	377	24.79	583	4	0.0263	185	Pass
Red	A	APC-Cy7	179	28.47	558	2	0.0056	911	Pass
Violet	B	V450	66	60.16	464	4	0.0567	2615	Pass
Violet	A	V500	99	34.55	477	5	0.0206	698	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/09/2019 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.58	-31.94	0.96
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.06	13.60 - 20.40	N/A	N/A	29.21	29.98	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11930

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments